

## Active Recombinant Mouse Fgf2 protein, His-tagged

**Cat. No.** Fgf2-829M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Fgf2 protein(Ala11-Ser154), fused with C-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 11-154 aa                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                                                                         |
| <b>Bio-activity</b>     | Active Recombinant Mouse FGF2 was added during DP cell culture. The immunofluorescence identification showed that 1 ng/mL FGF2 could maintain the cellular characteristics of DP cells. The red part is the fluorescently labeled PDFGRA antibody, and the blue-cyan part is the DAPI-stained cells. |
| <b>Molecular Mass</b>   | 17.06 kDa                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | ≥ 95 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.                                                                                          |

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**Reconstitution**

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

**GENE INFORMATION**

**Gene Name** Fgf2 fibroblast growth factor 2 [ *Mus musculus* ]

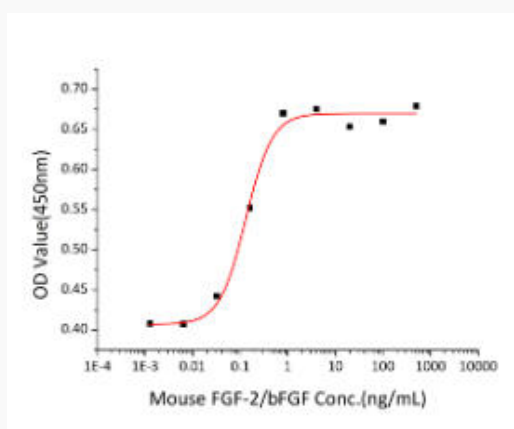
**Official Symbol** Fgf2

**Synonyms** FGF2; fibroblast growth factor 2; HBGF-2; basic fibroblast growth factor; heparin-binding growth factor 2; Fgfb; bFGF; Fgf-2;

**Gene ID** 14173

**mRNA Refseq** NM\_008006

**Protein Refseq** NP\_032032

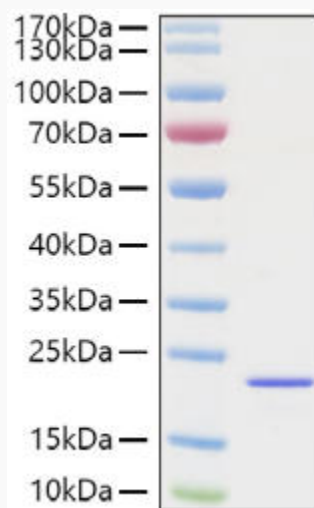
**Activity**


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SDS-PAGE



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